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USDOC FOR 3150/USFCS/OIO/CEENIS/MCOSTA
USDOC FOR 532/OEE/MO'BRIEN

E.O. 12958: N/A
TAGS: BEXP ETRD ETTC RS
SUBJECT: EXTRANCHECK: POST-SHIPMENT VERIFICATION: MOSCOW STATE UNIVERSITY, INSTITUTE OF NUCLEAR PHYSICS, DEPT. OF NUCLEAR REACTIONS, MOSCOW, RUSSIA, LICENSE NO. D368648

¶1. Unauthorized disclosure of the information provided below is prohibited by Section 12C of the Export Administration Act.

¶2. Reftel 1 requested a Post-shipment verification to determine the legitimacy and reliability of the end-user, Moscow State University, Institute of Nuclear Physics, Dept. of Nuclear Reactions, Moscow, Russia. The company is listed on BIS license application D368648 as the ultimate consignee of a Cryopulse 5 cryostat. This item is controlled for national security, missile technology, crime control, regional stability, anti-terrorism and UN sanctions reasons under ECCN 6A002. The licensee is Canberra Industries, Inc., 800 Research Parkway, Meriden, CT 06450.

¶3. On August 3, 2007, Export Control Attache Donald Pearce and FSN Natalya Shipitsina conducted the requested post-shipment verification with Moscow State University (MGU), Institute of Nuclear Physics (IONP), Dept. of Nuclear Reactions (DONR), Leninsky Gory, Moscow, Russia. The export control team met with Nikolay Eremin, Chief Scientist.

¶4. IONP was founded in 1949-1950 at MGU to provide students with a course of study in the atomic sciences and nuclear physics. The DONR boasted the best equipment available at the time, including particle accelerators and a cyclotron for the production of radioisotopes. Currently the department's major focus is on the measurement of space radiation for the development of nanosatellites. IONP employs 1200 in three buildings on the campus of MGU. Buildings 20 and 19 are principally used by IONP. Building 19 houses the particle accelerators, which are five stories below ground. Building 20 also has its nuclear research laboratories 100 meters below ground, to insulate from solar and ground radiation sources.

¶5. The cryostat in reftel is used to study the reactions of the nucleus when charged particles are forced through the nucleus wall. The results of the study will aid in the understanding of nuclear processes, which can be applied to a number of academic projects. The project has no direct military use or support. Funding for the equipment was provided by a grant from Detrilit Company, a metallurgical firm in Moscow.

¶6. The team was shown a Canberra Industries Cryopulse

5 Model CP-5SL CITS 97-8465 Serial # 1102. Digital photographs of the unit were taken and are available from post upon request. The device is integrated into a complex system of devices, which is in a locked room with a motion detector security system in place. Access to the room is limited to Dr. Eremin and his assistant, Anton Pashalov. No other research is conducted utilizing the equipment.

¶7. Recommendations: Post recommends Moscow State University, Institute of Nuclear Physics, Dept. of Nuclear Reactions, Moscow, Russia as reliable recipients of sensitive U.S. origin commodities.
(FCS MOSCOW/SBOZEK/DPEARCE)
BURNS